

SPARTAN DAILY

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Tuesday, October 6, 1987

The heat is on



Joe Gosen — Daily staff photographer

Claudia Tietze, a sophomore drama major, takes advantage of the hot weather to study for her Technical Theatre class. Having recently transferred from Colorado State where it snows most of the school year, she's "getting spoiled" by the nice weather.

Heat wave expected to diminish today

By Russ Baggerly
Daily staff writer

The high temperatures which have made life uncomfortably warm since Saturday should be letting up today.

"The temperatures we have had in this region have been unseasonably warm, but a high pressure system off the coast will be moving away, and it should be cooler," said Oscar Martin, a forecaster for the National Weather Service in Redwood City.

Students hoping their instructors will move classes outdoors should be aware that university regulations control locations of classes.

"There is a clause in the faculty contract controlling where classes will be held," said Selma Burkorn, assistant dean for faculty affairs.

"(But) if an instructor wants to move a class," Burkorn said, "and if they just drop by

and tell their department, it's hot as hell and I'm taking my class outdoors, no one is going to say anything to them."

On campus, the increased requirements for cooling in some campus buildings will be reflected in the next billing from International Power Technology Inc., the private contractor that operates the power plant on campus, said Vi San Juan, SJSU energy manager.

"Between (IPT) and Pacific Gas & Electric, this university pays up to \$250,000 per month for energy. And that's just for gas and electricity," she said.

The university also pays the City of San Jose for sewage treatment and for some water, she said. But SJSU's well provides most of what is needed — at a rate three times less than for city water.

The on-campus generators provide up to three-fourths of the total energy used by SJSU.

"They are running 90 percent online right now," she said.

The plant has to run higher output to meet the increased demand, said Hyun Kim, an IPT maintenance technician.

"(The campus side of the boiler plant) are running both of their air conditioners today," Kim said.

Regionally, the peak energy demand has come nowhere near the limits for warm days such as this, said Bill Leonard, public affairs representative for PG&E.

"We expect to see a P.E.D. of about 15.1 million kilowatts," he said.

"So far this year the highest demand we have seen was on Aug. 3, when use was 16.2 million kilowatts. The all-time record demand was 16.5 million, set on July 9, 1980," he said.

Even with such demands, PG&E has never

See HEAT, back page

Building sites are obstacles for disabled

By Kathy Dwyer
Daily staff writer

Some disabled students and faculty are angry because they are not being warned about hazards caused by the on-campus construction, even though the construction companies are obeying state law.

"People have come close to hurting themselves," said Martin Schuller, director of the disabled students office.

As a result, a meeting to discuss these safety concerns was scheduled to take place at 9 a.m. today between faculty members — including Student Union Director Ron Barrett and Mo Qayoumi, associate executive vice president of facilities — and several disabled students.

"I understand that (the people working on the Recreation and Events Center and the Engineering Building) can't be constantly watching for the disabled because they have their own jobs to do, but it would be nice if they could exercise a little caution," Schuller said.

Tom Shields, project manager from Roebbelen Construction Co. Inc., agrees that there are problems but says that his crew is following state laws.

"The only (extra) precaution we've taken so far is to move the fence out past the sidewalk on Seventh Street," Shields said.

"Iron construction workers used to yell to students to get off the sidewalk when they were walking in dangerous areas and past posted

'Several sites lack cones or ribbons to warn a blind student that an obstacle is in front of them.'

— Tom Shields,
Roebbelen project manager

signs," Shields said.

"They only got the 'birdie' from several students, that's when we decided to move the fence out," he said.

Barbara Pluta, design and construction manager of facilities, development and operations, also agrees that something should be done.

"We've all been having problems," Pluta said. "I've been in a wheelchair for the past few months because I had foot surgery, so I know how it feels to be disabled."

However, the construction companies are in complete compliance with California state law, she said.

"The cranes that are out on Seventh Street are my real problem," said Susan Downer, a sightless SJSU English professor.

There are no warnings (such as ribbons or cones) to let a blind person know that an obstacle is in the

See DISABLED, back page

Professor searches for registration 'turmoil' solution

By Julie Rogers
Daily staff writer

Out of options, an SJSU instructor is searching for a new registration process to end the "turmoil" incurred by students and faculty during the first few weeks of school.

Ross Lanser, marketing and quantitative studies instructor, sent a letter last week to the Academic Senate, and suggested that the administration consider changing its "defective" registration process.

"Teachers need to be spending more of their time teaching than on the frustration of students not showing up the first day of class or changing classes at the last minute," Lanser said in an interview.

Louie Barozzi, chairman of the Academic Senate, said "the problem" will be a topic of discussion at future Academic Senate meetings.

"A large share of the registration turmoil is the students' own fault," Lanser said.

Approximately 97,000 add-drop schedule changes were made by students this semester, he said.

Lanser explained that many students over-enroll with 18 units and then drop to 12 units or less.

"They're simply shopping around to see what teacher has the easiest green sheet," Lanser said.

To discourage students from over-enrolling, Lanser suggested in the letter that during Computer Assisted Registration (CAR) a student should be allowed to register for only the number of units currently being taken by the student. If a student wanted more classes, he would need to petition that class.

"One of the biggest problems



Ross Lanser,
marketing professor

with CAR is that once a student chooses (his or her) classes, (his or her) schedule cannot be changed until the first day of school," he said.

Lanser said that students should be able to go through an early "walk through" on Program Adjustment Day, and change any classes that they realize they won't be able to attend because of a job change or any other reason.

But once school starts, "there should be a \$25 fee or other economic penalty for dropping a class for any reason other than a serious or compelling circumstance," he said.

However, an adequate registration process needs to be set up before deciding on an economic penalty, he said.

"Out of the students who were

See REGISTER, back page

UPD arrest suspected attacker

By Dave Lanson
Daily staff writer

The University Police Department has identified a suspect now in custody who allegedly attacked a Health Center employee in August. He was arrested on an unrelated charge.

The victim, nurse practitioner Shirley Woods, and two witnesses identified the man Thursday from a group of six in a separate photo and in-person line-ups, said UPD investigator Terry Edell.

The suspect, a 24-year-old black male, was arrested by UPD officers Sept. 14 for possession of marijuana with intent to sell. He had been seen near the men's locker room and was suspected of breaking into lockers. He is currently being



This sketch led to the arrest of a man suspected of a campus attack.

held in the Santa Clara County Jail.

Edell said robbery charges were filed against the man Friday, but a spokeswoman for the district attorney's office said the process takes about two weeks.

UPD investigators noticed from a booking photo that he resembled a composite sketch of Woods' attacker.

The man had been free on parole for less than a year from Soledad State Prison, where he was sentenced on a sexual crime charge.

Effects of temblor still felt down south Cal State Los Angeles campus to be closed for another two days

By Karen M. Derenzi
Daily staff writer

The earthquake which rocked Southern California Thursday has left California State University, Los Angeles temporarily closed. Classes originally scheduled to start up again on Monday are now scheduled to reconvene on Thursday.

The delay in classes has forced Cal State Los Angeles officials to end the fall term one week later than originally scheduled, said Ruth Goldway, Cal State Los Angeles public information officer.

The initial quake struck Thursday at 7:42 a.m. and registered 6.1 on the Richter scale. The epicenter was located nine miles southeast of Pasadena.

The ground rocked for a full 20 seconds. It was followed throughout the day by more than 15 aftershocks registering at least three on the Richter scale.

The Thursday jolt was the largest quake in the Los Angeles area since 1971 when a 6.4 temblor struck, according to a U.S. Geological survey.

One Cal State Los Angeles stu-

dent, Lupe Exposito, 21, died as a result of the earthquake when part of a campus garage structure collapsed and crushed her, said Bob Dambacher, a spokesman for the Los Angeles County Coroner.

Five other people in the Los Angeles area were also killed and nearly 100 others were injured.

Aftershocks plaguing the area have caused more damage to the Cal State Los Angeles campus, but should not delay the reopening of the campus Thursday.

One of the larger aftershocks struck Sunday afternoon, registering 5.5 on the Richter scale.

The aftershocks created some additional damage at places where there were already problems," Goldway said. "It has expanded the cost of the cleanup, but not the time frame."

The official cost of damage to the campus will not be known until Wednesday, Goldway said.

Damage to other CSU campuses in the area was minimal compared to Cal State Los Angeles. There has been no delay in classes at other campuses.

Professor to speak about Third World children

By Nelson Cardadeiro
Daily staff writer

The Secretary of the Indian Health Organization will speak on campus Wednesday about critical problems among children of Third World countries.

Dr. Ishwarprasad S. Gilada's talk will deal with his four-year study of sexual abuse, forced prostitution and sexually transmitted diseases among children in India, Iran and Saudi Arabia.

The Sociology Club, the so-

ciology department and Alpha Kappa Delta, the sociology honor society, are hosting the free talk in Room 150 of Dudley Moorehead Hall at 1:30 p.m.

In addition to his position as secretary of the India Health Organization, Gilada is also resident medical officer of J.J. Hospital of Bombay and is the founder of the Leprosy Clinic in Bombay.

Sociology department chairman Eiji Amemiya said the topics Gilada will speak about "are big

problems" in those countries.

"These problems aren't isolated," Amemiya said, "but are global issues that must be dealt with."

AKD President Gus Estrada said Gilada is excited about coming to SJSU.

"He wants to raise the awareness of these issues," Estrada said.

"The talk will be of interest to everyone on campus," Amemiya said. "They are vital issues."

Estrada said that students at-

tending the presentation "will become aware that these problems aren't only a problem in the United States, but all over the world."

Amemiya said that Gilada has done quite a bit, considering he is only 29 years old.

Gilada, who spoke at Stanford University last month, called SJSU to see if the sociology department wanted to have him lecture.

"He was gracious enough to make himself available for us," Estrada said.

Spartan football team fails to draw large crowd

By Karen M. Derenzi
Daily staff writer

Only 13,197 people saw SJSU defeat California State University, Fullerton, Saturday at Spartan Stadium, an attendance figure that left at least one person in the athletic department scratching his head.

"I'm a little puzzled by it all," head coach Claude Gilbert said. "We're a good team. We're exciting. We're entertaining."

"What do we have to do to draw a large crowd?" Gilbert wondered.

"I was disappointed, not with the people that were there, but with the overall turnout," Gilbert said. "The student support has been outstanding."

There are several possible theories as to why the crowd was small. They include:

- The National League West champion San Francisco Giants were playing at home.

- Stanford's football team was playing at home.

- The weather. It was 86 degrees at kickoff and it may have caused some people to drive to the beach instead.

- "Maybe people wanted to stay in the shade," Gilbert said.

- Yet the low turnout is definitely a cause for concern.

Last Friday, SJSU Athletics Director Randy Hoffman said that the Spartans needed to draw "somewhere in the neighborhood of 20,000 people per game" for the football team to bring in its share of the revenue.

Neither Hoffman nor Tom McRann, associate athletics director in charge of marketing, could be reached for comment Monday.

To date, the team has attracted slightly over 31,000 people to its

See FOOTBALL, back page

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Editorial

Football team deserves support

A common question at Saturday's SJSU-Cal State Fullerton game might have been — where are the fans?

In a pathetic display of support, only 13,197 people made their way to Spartan Stadium Saturday to watch the Bay Area's best and most exciting college football team in action. It was SJSU's first home game in nearly a month and its initial PCAA contest in defense of last season's conference championship.

These elements, combined with a dramatic victory over Stanford the week before, had Spartan players, coaches and administrators hoping for a crowd of at least 20,000.

Instead, a Division-III crowd watched a very good Division-I team blast the Titans 46-19.

Granted, there were plenty of reasons for not going: The Giants played at Candlestick Park, Stanford hosted Pac-10 powerhouse and national-championship contender University of California at Los Angeles, and it was an ideal day to work on one's tan.

But whatever the excuse, it does not change the fact that our football team needs our

support. If this pathetic lack of support continues, SJSU athletic officials should consider downgrading its athletic standing to a Division-II level, or lower.

Our athletic department simply can not be an efficient, profit-making entity when its biggest money-maker, the football squad, barely draws enough people to fill its own student section.

It's often said that a winning team will bring in the fans. Well, the Spartans have been winners the last two seasons, but to this point, fan support continues to rival that of the San Jose Bees.

Talk concerning the progress of our team fills the hallways after every game — how many yards did Mike Perez throw for, how many touchdowns did Kenny Jackson score or how many sacks did the "Spartan 46" defense record?

But, it's time to quit talking in the halls and do our cheering, where it belongs, in the stands.

A vote to keep Giants at the 'Stick

Giants manager Roger Craig said it best after his team clinched the National League West title with a 5-4 win last week over the San Diego Padres:

"This is for all of the great fans in the Bay Area." The observant reader will notice that Craig did not say the great fans in San Francisco. Could this possibly be because he knows a majority of his great fans do not reside in the City by the Bay? It sure could.

Craig and many other people residing in the plush executive offices of Candlestick Park realize that the Giants do not belong solely to San Francisco. They belong to the nine counties which encompass the Bay Area.

So why should the home of the Giants be located in downtown San Francisco?

Why not, some people may say. After all, a downtown stadium wouldn't be tormented by the winds that plague Candlestick Park.

The fog wouldn't roll in, largely due to the fact that the new stadium would probably be sealed off from the elements by a dome. After all, some people can't bear to sit through a night game — or an occasional day game, for that matter — without their blankets wrapped tightly around them.

In short, fans wouldn't have to put up with Candlestick Park if Giants owner Bob Lurie has his way.

Lurie's way is Proposition W, a proposal currently slated for the November ballot in San Francisco County. If a majority of the electorate votes "yes," it may well mean Seventh and Townsend streets will no longer be a parking lot.

For a Giants' fan like me who is against a downtown stadium and would like the proposition to fail, the consequences could be even worse. The current rumor sailing around Candlestick Park like a hot dog wrapper on a gusty afternoon is that Lurie will try to relocate the team if he doesn't get his way.

Talk about being caught between a rock and a hard place.

Giants fans would like to keep their team. This has never been more evident than this season. No, a winning team hasn't jammed up the turnstiles at every game, but it does seem to have curbed the complaints about the weather at Candlestick. After all, who has time to feel the cold when they're watching the Giants turn another sizzling double play.

Even the Giants players haven't been as cranky this season. Chili Davis seemed to concentrate more on hitting home runs than on stuffing Lurie's complaint box.

After all, a new downtown stadium isn't without its disadvantages.



Karen M. Derenzi

It's downtown. Fighting traffic at 6:30 p.m. to get to a Candlestick night game by 7:30 p.m. has been bad enough. Those rare Monday nights when games started at 6 p.m. — because ABC decided to show the rest of the nation what all the excitement was about — created traffic jams even Southern California would have been proud of.

Think about what will happen if the stadium is downtown. Anyone who has tried to get anywhere near the city during rush hour knows they had better give themselves some extra time to arrive at their destination.

If Giants fans want to get to a game by 6:30 p.m., they could very likely be on the freeway between 5 p.m. and 5:30 p.m. Mixing with the usual commuter traffic could make some really angry, grumpy rooters heating up the Seventh and Townsend stadium.

Another problem is parking. There has been talk of locating parking under the new stadium. The size of this structure will probably be quite large considering the parking lot at the 'Stick isn't anywhere near adequate for some of the crowds.

At least the area surrounding Candlestick has enough vacant land for overflow parking. Leaving cars on the hill behind the stadium seems to be a popular alternative to parking in the lot.

There isn't much overflow parking surrounding Seventh and Townsend streets. Leaving cars on the street, if you're lucky enough to find a spot, might get you a ticket for parking too long in a metered zone. There are no hills to park on in downtown because they're all covered with skyscrapers. Parking in a downtown garage will probably cost more than playoff tickets.

If you're now saying, "Yeah, I wouldn't mind keeping the 'Stick if it means keeping the Giants and keeping my sanity," you may want to consider moving to San Francisco and registering to vote there. Remember, a majority of the fans will have no say in where the team plays next. Good luck finding a place to park.



"HOW DO I KNOW THAT YOU WON'T REVERSE YOUR POSITIONS AGAIN TOMORROW?"

Forum Policy

Letters to the editor can be on any topic. All letters may be edited for length or libel.

Letters must bear the writer's name, major, phone number and class level. Deliver letters to the Daily office on the second floor of Dwight Bentel Hall.

Letters to the Editor

New A.S. member a good choice

Editor,

Congratulations to John Hjelt. The Associated Students Board of Directors selected an excellent and greatly qualified director for the Student Rights and Responsibilities position.

It's my hope John will gain as much as I know he'll contribute to the board, not only of his knowledge of policy and process, but also of his sense of humor and good-natured willingness to listen.

Good luck, John Hjelt. Good call, A.S.

Bob Gunter
Sophomore
Political Science

Bork's ideology should be considered

Editor,

There's been a great deal of debate lately over whether the U.S. Senate should consider Judge Robert Bork's views on the Constitution in its consideration of his nomination to the Supreme Court.

The debate over how judicial appointments should be made was settled 200 years ago by the Framers of the Constitution. Some at the Constitutional Convention wanted the president to appoint; others wanted Congress. The result was a compromise: presidential nomination with the "advice and consent" of Congress.

Six years later, the Senate exercised its advice-and-consent power, rejecting President George Washington's nomination of the distinguished lawyer John Rutledge to the Supreme Court because he had opposed ratification of a recent treaty with England. Three of the 14 "no" votes were cast by signers of the Constitution.

Nearly 20 percent of Supreme Court nominations through history have been rejected, and time after time, ideology played a central part. As recently as 1968, conservatives lined up to block President Johnson's nomination of Associate Justice Abe Fortas to be Chief Justice. Fortas was lambasted for his views on obscenity, law enforcement, free speech, capital punishment and federalism.

In Robert Bork's case, consideration of ideology is particularly appropriate since he was clearly nominated because of his ideology. More than any other president in history, Ronald Reagan has chosen judicial nominees on the basis of ideology, relying less on qualification.

And though Robert Bork's qualifications are not in question, his politics are. Bork's views stray far from the mainstream on many issues of settled law. Bork's opposition to the right of privacy, his tendencies to favor government rights over individual rights and big business over small, and his narrow definition of free speech run contrary to modern constitutional interpretation.

Surely what a Supreme Court nominee thinks about the Constitution is fair game. The Senate is right to consider Bork's ideology, and if individual senators think his views are extreme, they should vote to reject his nomination.

Conrad Borovski
Professor, Foreign Languages

Roll on, Spartan Thunder . . .

Editor,

How about those Spartans! Looks like they are on the roll now. They are even being mentioned in the national newspapers: "Although they are not even in the top 25 yet, they are getting there," wrote the USA Today in last Monday's paper.

The SJSU football team should be motivated by this. I just wish they could play more good teams in other conferences.

Raul-Kamal Rapal
Junior
Criminal Justice

No Laughing Matter



Larry Aragon

Brush with death

Driving down Seventh Street recently, I noticed a pigeon in the road. She sat there, and somehow I knew she would not move.

I can't be sure that she was not a "he," but that was my first impression, and first impressions nearly always are correct.

Seeing the bird, I could not help but remember a similar situation in my driver's ed class in high school: I was driving along a residential street, and I came upon a bird in the road. As I approached, it sat motionless as though it wanted to die. But before I was about to oblige it, I stopped. The bird flew away, and my teacher scolded me for endangering other drivers on the road.

And so I was somewhat wary as I approached the pigeon on Seventh Street. I tried to convince myself that she would fly away before my car crushed her, but somehow I knew that she was ill and could not fly. As the distance between her and I lessened, I forsook my driving instructor's words and swerved into the other lane to avoid her. When I looked into the rear view mirror, I saw that she had not moved.

As I continued up the street, I turned my thoughts away from the bird. She was not my responsibility, I told myself. And, what would I do with her if I decided to move her from the road?

My feelings of guilt nagged at me, but subsided when, as I made my way back up the street in search of parking, I did not see her.

I found a parking space and began walking toward the university, when I noticed the bird on the lawn of a house. Although I was across the street, I could see that she was helpless. Again I questioned whether there was anything I could do, unaware that in a moment my thoughts would be in vain.

Suddenly, a cat pounced on the feeble pigeon and began to drag her across the lawn. She succumbed without a single flap of her wings.

It was then that I noticed a mailman not far from the kill. He stood motionless as the cat dragged the bird beneath the steps of the house. I wanted to scream: "Do something you idiot!" But, I could not speak. It was over.

Making my way toward school, I could not get the scene out of my mind.

Finally, I confronted the occurrence and tried to analyze why I felt so badly about it.

On one hand, I figured I was wrong for not helping the bird because she was disabled and could not manage on her own.

On the other, I thought I was right for not helping her because the weak have no claim to life. Aphorisms from childhood echoed in my brain: "Nature does not provide for the weak; only the strong survive; quality of life is more important than being biologically alive."

Reason had taken the upper hand and ran rampant. "Nature is logical," I told myself. "Why can't man be so logical? Why do men keep fellow men alive with machines when those men would otherwise be dead without them?"

The questions went on and on until I thought I had convinced myself that sitting idly by as the pigeon was killed was the correct thing to do.

Then, the same reason that rinsed me of my guilt began to wear down the stones of truth which I had stacked so neatly in my mind:

What is life? I wondered. Is it simply biological, or is it something more. Is it the "quality" of life which makes life "life," or is it the simple act of "being" which allows a man to say he is alive? And who decides what "quality" is? Does everyone have the same idea of quality? Is it a universal truth that everyone "knows," or is it a subjective conclusion which each man decides for himself?

As more questions raced through my mind, I realized that I could never say for sure whether I was wrong or right for not helping the pigeon.

And so I walked onto campus that day reveling in the fact that I was alive and felt sad that there was one less creature on earth who was not.

Larry Aragon is the news editor and he feels sorry for those people who think that the column they just read is about a pigeon.



Spartan Daily/Tuesday, October 6, 1987

Teaching students can still receive aid

By Brenda Tai Lam
Daily staff writer

Students who are interested in a teaching career and need financial aid still have an opportunity to receive state aid.

Students have until tomorrow to turn in their applications for the APLE (Assumption Program of Loans for Education).

The APLE program is a financial aid program that was passed by the California Legislature last year to encourage outstanding students to enter the field of teaching.

Students who are selected are entitled to a \$8,000 maximum loan in exchange for three consecutive years of public school teaching.

"The program lessens their loan obligations if they're going into the teaching field," said Janet Aiken, financial aid counselor.

Students who have received or will receive a Perkins Loan Program, a California Guaranteed Student Loan or a California Loan to Assist Students and who are accepted into the program will have up to \$8,000 of their outstanding loans paid by the California Student Aid Commission.

In order to qualify for the program, students must have completed at least 60 units and be carrying at least 10 undergraduate units or eight graduate units.

Students must also obtain a credential in mathematics, science or bilingual education and be committed to teaching those subjects for three consecutive years.

The requirements place an emphasis on low-income schools and certain subjects because of the shortage of teachers in these areas, Aiken said.

Prospective SJSU students who are interested in the program must have at least a 3.0 grade point average and have passed the California Basic Education Skills Test.

Students may obtain an application for the APLE program from the Financial Aid Office in Wahlquist Library South in Room 208.

SpartaGuide

A brief look at campus events

Arnold Air Society (AF-ROTC) Red Cross will hold a Blood Drive at 10:00 a.m. today through Thursday in the Student Union (3rd floor). For information contact Heidi Horn at 295-7631.

Career Planning and Placement will hold a meeting for Macy's employment at 11:00 a.m. today in the Student Union Costanoan Room. For information contact Lupe Zuniga at 277-2272.

AI-ANON will hold their weekly meeting at noon today in the Administration Building Room 222A. For information contact 277-2966.

Christian Students Fellowship will hold a discussion on fulfillment at 12:30 p.m. today in the Student Union Pacheco Room. For information contact Glenn Miller or Kurt Jones at 268-1411.

Hillel will build and decorate Hillel's sukkah/booth at 1:00 p.m. today in the Art Quad. For further information contact Dan Dorfman at 294-8311.

The SJSU Sierra Club will hold a lecture on "Global Pollution" featuring speaker Ralph Bohn, Dean of Continuing Education at 4:00 p.m. today in the Student Union Montalvo Room. For further information contact Alan Kirk at 279-1804.

The Career Planning and Placement Center will hold the program "Careers in the Aviation Industry" at 4:30 p.m. today in the Student Union Costanoan Room. For further information contact Cheryl Allmen at 277-2272.

MEChA will hold a meeting at 5:35 p.m. today in the Student Union Pacheco Room. For further information contact Jenny Hernandez at 277-8240.

Circle K, a service and leadership organization, will hold their weekly meeting at 6:00 p.m. today in the Student Union Guadalupe Room. For information contact Bob Griffin at 971-0897.

Ohana of Hawaii (Hawaiian Style Club) will hold a meeting at 7:30 p.m. tonight in the Student Union Almaden Room. For information contact Layne Nishimura at 251-4667 or Junior Paeste at 274-2755.

A Bible study sponsored by Campus Ministry will take place at noon today in the Student Union Guadalupe Room. Call Norb Firmhaber for information at 298-0204.

Career Planning and Placement will hold a Resume II workshop tomorrow from 2 to 4 p.m. in the Student Union Guadalupe Room. For information call Cheryl Allmen at 277-2272.

Student Health Service will have a student health advisory committee meeting tomorrow at 12:30 p.m. in Health Building Room 208. For information call Oscar Battle at 277-3622.

The Business Professionals/Advertising Association will have a meeting tomorrow at 5:30 p.m. in the Student Union Almaden Room. Call Sue Reich for information at 920-2231.

The French Club is sponsoring a booth at the International Food Fair tomorrow. Call Alicia Macias for information at 286-7361.

Amnesty International will hold a meeting at 9:30 a.m. tomorrow in the Student Union Pacheco Room. For information contact Susie Salminen at 277-8225.

Institute of Industrial Engineers will hold a workshop entitled "Workshop II: Introduction to Lotus" at 11:30 a.m. tomorrow. Students should sign up in the Engineer Building Room 337. For information contact Troy Ward at 370-0612.

Macy's is Hiring for Christmas



Earn extra money for the holidays! As a Christmas Extra at Macy's California you can choose from temporary, full or part-time positions, enjoy flexible hours and a discount on your purchases. Positions available include: sales, gift wrapping, and stock.

Macy's Eastridge, Oakridge & Sunnyvale will be on campus:

Oct. 6—Costanoan Room in the Student Union 11:00am-2:00pm

Oct. 7—BC 001 2:30pm-5:30pm

Sponsored by Career Planning & Placement. For more info. & applications Call 277-2272

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WE ARE A PART OF YOUR LIFE
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Daily Delivery

A brief look at off-campus news

Quake costs at \$125 million

LOS ANGELES (AP) — Earthquake loss estimates jumped Monday to \$125 million with 10,619 structures damaged or destroyed, and officials prepared to ask President Reagan to declare a federal disaster.

In a report to Gov. George Deukmejian, state disaster officials gave a preliminary damage estimate of \$117.3 million damage to 9,164 homes and 1,455 businesses.

There was an additional \$8.1 million damage to public property, said Tom Mullins of the state Office of Emergency Services.

Tom Berman, a spokesman for the governor, said material for a disaster declaration was being reviewed and that Deukmejian was expected to quickly forward the request to the Federal Emergency Management Agency.

Upon approval by the president, residents will be advised through the media on procedures for obtaining low-interest loans and other federal assistance, Mullins said. A federal disaster declaration makes funds and services available to victims.

Rubble was being cleared Monday from the downtown Whittier area, described as looking "like downtown Beirut."

Twenty buildings were condemned and more than 2,000 homes were damaged in the San Gabriel Valley city of Whittier, where the destruction was widest spread.

Most of the damage occurred during Thursday's quake, which measured 6.1 on the Richter scale. But the largest in a series of aftershocks, a 5.5 pre-dawn tremor Sunday, heaped much more damage on already weakened structures.

ready-weakened structures.

At least seven people were killed by falling debris or heart attacks, 200 were injured and hundreds were so frightened they still refuse to sleep indoors and insist on camping out nightly on lawns and in parks.

"My husband brought the family here after we lost our home from the big (1984) earthquake in Mexico City," said Lupe Reyes, 32, who sat with her four children in MacArthur Park near downtown Los Angeles. "Now here we are again."

Adding to the uncertainty was a warning from the U.S. Geological Survey predicting more aftershocks.

"Although aftershocks follow no precise pattern, such tremors are a common occurrence after a sizable earthquake," said USGS spokesman Don Kelly.

Another problem for the Red Cross is finding housing for the displaced.

"The problem with this quake is it destroyed most of the low-income housing in the (Whittier) area," Wright said. "We don't know where we are going to put these people."

Brown won't run before '89

OAKLAND (AP) — Former California Gov. Jerry Brown ruled out reentry into politics before 1989 and said a lack of big issues has prompted Democratic presidential candidates to focus on lesser-known topics, much to their disadvantage.

"I'm not going to stay out forever," Brown said Monday. "When I return depends on a lot of factors." When asked what those factors were, he said, "The probability of success."

Brown made his remarks before and after his speech to the Third Annual World Teleport Association assembly, a three-day conference with more than 400 delegates from across the world.

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If you notice something which you know is incorrect, please write to the Spartan Daily, San Jose State University, One Washington Square, San Jose, CA 95192.

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Spartans host Stanford; win streak stops at 10

By Holly Olsen
Daily staff writer

The Spartans ended their two week on-the-road volleyball tenure this past weekend with their first match loss against Cal State-Los Angeles on Saturday.

Friday's match against UC Irvine was a victory, but it wasn't

Volleyball

much to speak about.

"Irvine is a much improved team over last year," said coach Dick Montgomery. "But we won easily, not because we played well, but because they were intimidated."

The Anteaters didn't provide much competition in the first two games as the Spartans won by scores of 15-3 and 15-7. Something definitely went wrong in the third game when the Spartans lost 15-9.

"We eased up and lost to Irvine when we never should have," Montgomery said. He said that the Spartans should have played more attention to the games throughout both weekend matches.

SJSU won the fourth game 15-10 to win the match.

The Spartans lost an opportu-

nity to tie a school record of 11 consecutive wins in their loss to Long Beach on Saturday.

Long Beach, ranked 8th in the NCAA polls, "came in smoking and ready to play volleyball against us," Montgomery said. "I knew from the onset we were up against a tough team."

Montgomery said he wasn't pleased with any games played. But, the first game was the best.

"We lost on an unfair call," Montgomery said. "The score was 13-13 when they hit the ball out. The ref's did a recall and said that one of our players touched the ball before it went out."

According to Montgomery, no one touched the ball. After several side-outs, the game ended 15-13.

"That call really hurt us because at that point the score should have been 14-13," he said.

The Spartans dropped the next two games 15-13, 15-4.

"Saturday's loss was inevitable," Montgomery said. "It appeared to us as coaches that this was coming. We haven't been playing real well."

According to Montgomery, some of the factors resulting in

breakdowns of the Spartans include three "very outstanding players" that dominated the match for Long Beach State, especially in kills. Montgomery said their best player had 27 and was hitting close to 600 percent.

"Basically, they came in to win and we came in not to win," said Montgomery.

Montgomery claims that part of the team's lack of performance was due to the long road trip.

"They were all tired going into the weekend. It definitely had an impact on our game," Montgomery said. "This week we're looking forward to getting back into our gym and playing in our own environment. We play better that way."

The Spartans will host Stanford at 7:30 tonight in the Men's Gym. Stanford is ranked fourth in the nation, the highest-ranked squad SJSU has faced this season.

"Long Beach," said Montgomery. "We will have to play our best match of the year to beat them."

A final four team in 1986, Stanford is currently 10-3 for the year and 4-1 in the Pacific-10 with their only league loss to UCLA.

"Stanford does not like to lose against us," Montgomery said.

"Last year we were a better team than they were, so they would like to beat us even more."

Stanford volleyball coach Don Shaw said that he really has not given tonight's match much thought.

"This is a non-conference match for us," Shaw said. "I'm more concerned about some difficult matches that we will face this weekend."

Shaw noted that "SJSU will be a good match because they are a good team. The match will prove to be a good test for us and will help us prepare for more critical matches this weekend."

Last week Montgomery said that Stanford will be a "key match" for the Spartans; however, after this weekend's loss, he wants the team to focus on looking past Stanford and defeating Fresno State on Wednesday.

"If we concentrate too hard on beating Stanford we may lose our

'Basically, they came in to win and we came in not to win.'

—Dick Montgomery,
SJSU volleyball coach

drive in the match against Fresno and we might also be too tired," Montgomery said. "Fresno is not a great team, but they're capable of playing better than they did last time."

Farewell Reggie

CHICAGO (AP) — There'll be no more autumns for Reggie Jackson as a player, but "Mr. October" says he'll always have that to play.

"When I'm 70, I'll want to play baseball," Jackson said Sunday after his final game. "If I didn't feel that way, I wouldn't have played so long."

And, after 20 years in the majors, the Oakland Athletics designated hitter, who had played for 11 division champions and in five World Series, still was producing at age 41.

On Sunday, he had an RBI double and singled in his final plate appearance to give him lifetime major league totals of 2,584 hits and 1,702 RBI.

He ended his career with 563 homers.

"I want to be remembered as somebody who always played hard and as a guy who won," Jackson

said after Oakland's 5-2 loss to the Chicago White Sox.

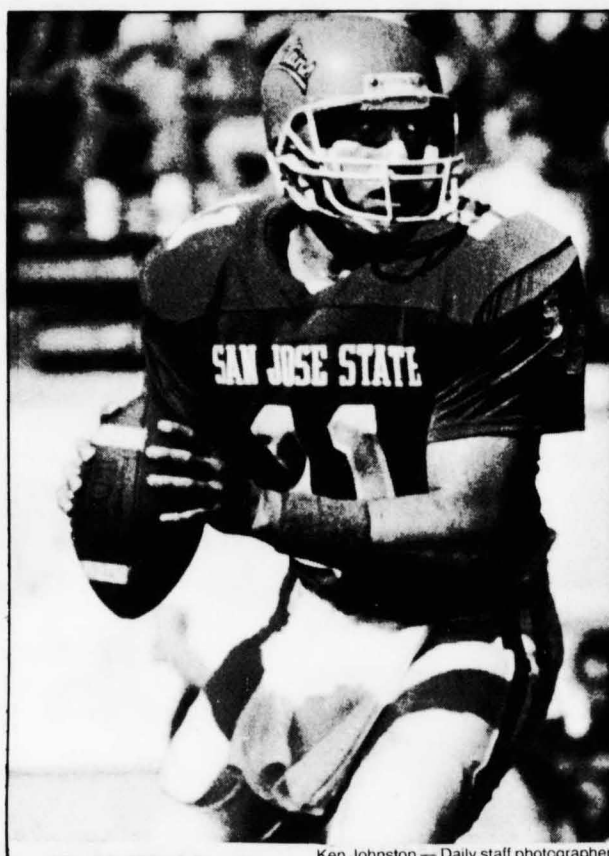
Jackson announced his retirement last week.

His career began with the Kansas City Athletics in 1967 and ended with the same franchise, now in Oakland, after stops in Baltimore, New York and California.

"He has learned a lot about winning over the years and passed it on to our young guys," Manager Tony LaRussa said.

On Sunday, LaRussa was celebrating his 43rd birthday, but he knew the day belonged to Jackson, who he started as DH and also let take out the team's lineup card to the umpires at home plate before the game.

Chicago Manager Jim Fregosi was there with his lineup card and greeted his former teammate with a bear hug.



Ken Johnston — Daily staff photographer

Spartan Stats

A weekly look at football numbers

Mike Perez Update

Despite leaving Saturday's game early to nurse a stiff shoulder and neck, the Spartans' Heisman Trophy hopeful still threw for 166 yards and two touchdowns while completing 13-of-21 passes. Here's a look at Perez's statistics through five games this year as compared to last year's.

Category	1987	1986
Passing		
Attempt	179	234
Completions	112	135
Yards	1,341	1,660
Percentage	62.6%	57.6%
Touchdowns	9	8
Interceptions	7	10
Rushing		
Attempts	18	19
Yards	-9	20
Yards/carry	-0.5	1.1
Touchdowns	1	0
Total Offense		
Plays	197	253
Yards	1,332	1,680
Yards/game	266.4	336.0

Clark's absence will hurt Cards

ST. LOUIS (AP) — Without Jack Clark, the St. Louis Cardinals find themselves on a difficult expedition West in the National League playoffs.

The injured Clark, one of the most feared hitters in baseball, probably will not be ready to start for another week. That leaves the Cardinals without their only slugging against the seven series that begins Tuesday night at Busch Stadium.

"There are certain pitches I'm not quite able to get to," Clark said Sunday. "I'm still not able to move around."

Clark has been out of the starting lineup since Sept. 9 with a sprained right ankle. Torn tissue above the ankle has limited him to two swings since the injury.

Cardinals Manager Whitey Herzog said Sunday he doesn't think Clark could start until Game 6, if the NL playoffs go that far. He could be used as a pinch-hitter, although the Giants have been determined not to let Clark beat them. They walked him 19 times in 54 plate appearances this season.

Clark has hit 35 of St. Louis' major-league-low 94 home runs. Terry Pendleton is next with 12.

The NL West champion Giants, led by Will Clark, Jeffrey Leonard and Candy Maldonado, have hit 205 homers. San Francisco held a 7-5 edge over the Cardinals this year.

The major advantage the Cardinals hold is speed. They have stolen 248 bases, nearly 50 more than anyone else, compared to San Francisco's 196.

co's 126. But Giants catchers Bob Brenly and Bob Melvin have thrown out more runners than any other club and have held St. Louis to 14 steals in 24 attempts.

Clark and center fielder Willie McGee, who hasn't started since Wednesday because of a banged-up hand, are both on the Cardinals' 24-man playoff roster. Herzog felt he had to make them both healthy and instead will carry just eight pitchers.

Herzog is also giving his team an off-day Monday, rather than have a pre-playoff workout. The Giants will practice at Busch Stadium Monday afternoon.

"I've got to be awful careful. I don't want to play someone and have him go down," Herzog said.

Danny Cox, who had lost five of six September starts before beating Montreal Thursday night in the game that clinched the NL East title, will start Game 1 for St. Louis. Rick Reuschel will open for the Giants, who lead the majors with a staff earned-run average of 3.68.

"At this point, you don't want anybody to get hurt," Giants Manager Roger Craig said. "You want your healthy guys to get healthier."

Craig said Monday that Maldonado, Eddie Milner, and Mike Aldrete will start in the outfield for the Giants.

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Spartans 1987

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Homecoming Game: Saturday, Oct. 10th

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- SJSU Football Team
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Heisman Trophy Candidate-Mike Perez

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YesterDaily

A brief look at yesterday's news

Local News

The Soviet space rocket, Cosmos '87, blasted off from somewhere inside the Soviet Union on Sept. 29 after a 14-day delay.

The SJSU biology and chemistry departments will receive samples from the laboratory rats and rhesus monkeys on board the Soviet rocket.

Once the SJSU departments receive samples of the laboratory animals, Dan Holley, SJSU biology researcher, and his co-researchers will be measuring the amount of neurotransmitters — the chemicals which enable nerves to communicate with one another — in certain organs of the rats.

The SJSU men's basketball team will be facing a tough schedule this season.

Six of the teams that the Spartans will face this season reached postseason play last year.

"We'll play good opponents in a hostile environment," said Bill Berry, SJSU basketball coach. "It will show us what we need to work on to improve," he added.

The American Red Cross is conducting its semester blood drive at SJSU this week in the Student Union Ballroom.

The drive is part of this week's Homecoming celebration. Points will be awarded to groups that participate.

The organization with the highest percentage of members donating blood will receive a plaque from the Red Cross in addition to points toward the Homecoming trophy.

A sexual harassment pamphlet is now available to SJSU students in the Affirmative Action Office.

General News

In Friday's Journal of the American Medical Association, a California doctor warned that storing medicines in automobile glove compartments during hot weather can make the drugs ineffective.

Some medicines can become hazardous, such as those for heart conditions, because they "are of extreme importance to a person's health and even to keeping them alive," said Dr. Richard Seymour, a Visalia internist.

He measured the temperature of several glove compartments and found they could reach 150 degrees in summer, 130 degrees as early as March and 110 degrees, as late as mid-November in Visalia, located in California's often-hot San Joaquin Valley.

Superconducting materials can relay information faster than today's fiber-optic systems, according to two new studies.

One day, huge volumes of data may be transmitted instantaneously, a report said.

Superconducting lines may be able to transmit the equivalent of 1,000 Encyclopedia Britannica sets per second, according to researchers at the University of Rochester in New York and Cornell University in Ithaca, N.Y.

Edna Kauffman received a postcard from her husband — a card that had been mailed during World War II, almost 44 years before.

The yellowed card bearing a 3-cent stamp and a 1943 postmark was hand delivered to Kauffman after the Post Office had attempted to deliver it to her 1943 address.

Kauffman, who wrote the card while in boot camp, died of a heart attack in May 1966.

Classified

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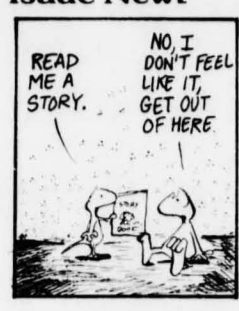
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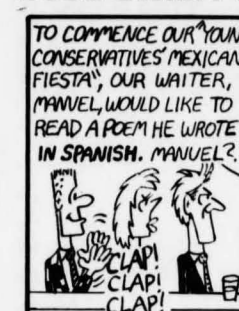
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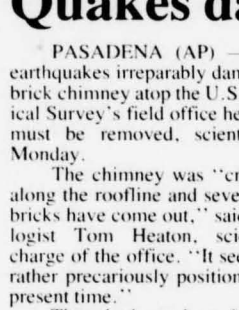
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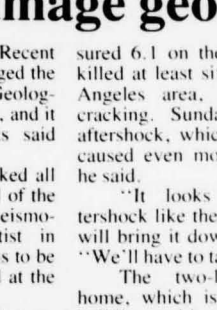
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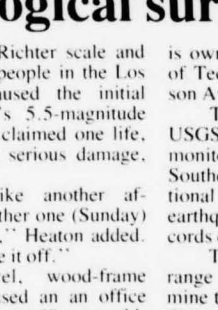
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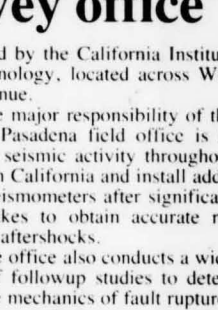
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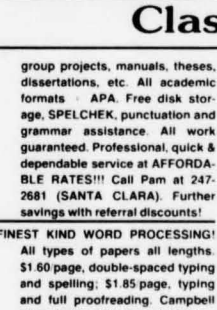
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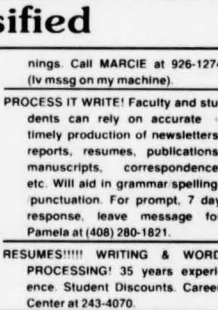
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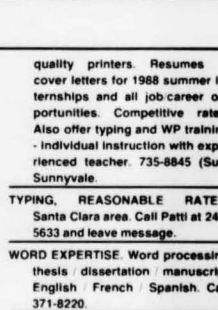
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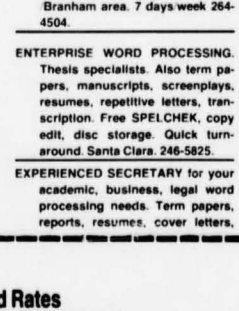
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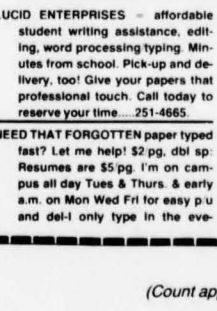
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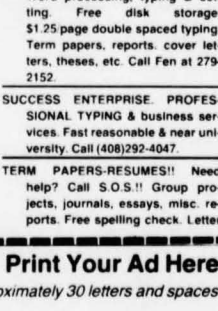
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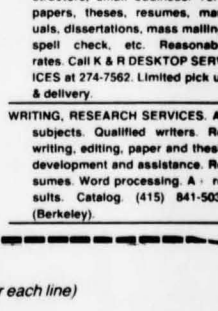
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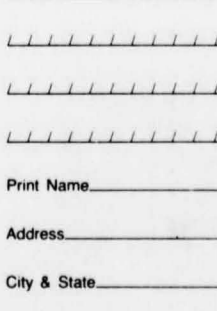
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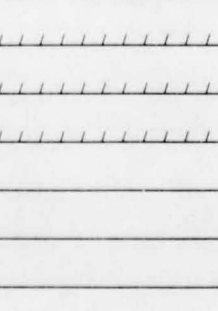
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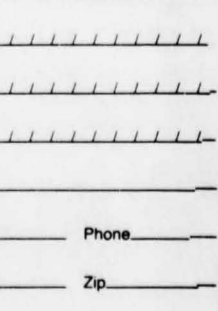
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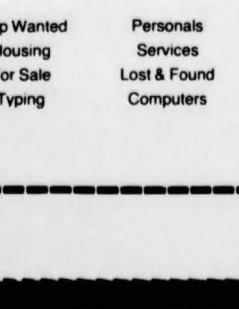
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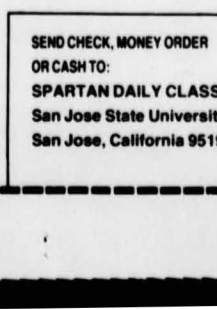
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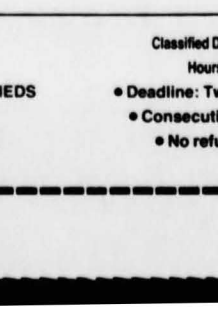
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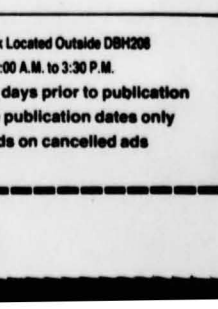
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Disabled

From page 1

way, Downer said. "We do have areas that are potential hazards," Shields said. "Several sites lack cones or ribbons to warn a blind student that an obstacle is in front of them."

"Blind people generally depend on their sense of hearing, and with all the noise in the background, it's almost impossible to know when you're approaching one of the cranes," Downer said.

"One of the worst examples I've seen so far occurred last Friday," said John Moore, president of the Disabled Students Association. "There were three trucks and two large cranes in the major pathway on Seventh Street. One of the trucks had long two-by-fours sticking out from all sides of the bed," presenting a hazard to everyone, particularly the blind.

"I'm really concerned about the whole issue," Schuler said. "SJSU has been lucky we haven't had any injuries. If anyone were to injure or kill themselves, the college would find itself mixed up in a very large lawsuit."

"There is really nothing that can be done about the noise, but when someone sees that a person is in need of assistance, it would really be nice if they could ask if we need any help," Downer said.

"The majority of the disabled appreciate it when someone offers them help," Downer said. "If someone doesn't appreciate it and gets offended, then that's their problem."

History professor Peter Buzanski is also concerned with the hazards that the construction sites might cause.



Amelita Manes — Daily staff photographer

Huge cranes, like this one blocking Seventh Street, provide obstacles to blind people or those in wheelchairs on campus. The cranes are used for work at the Engineering Building and Rec Center construction sites.

"Less than a year ago I saw a blind student walk on to a curb and get entangled in a cloth banner," he said. "I watched him turn out of it from a distance, luckily he wasn't hurt."

Register

From page 1

enrolled through CAR in my business classes, 17 percent never showed up," Lanser said.

He suggested in the letter that students who don't show up or notify the instructor by the first class hour should be dropped and not allowed to enroll in another section of the same course.

The registration process has become worse this year because of increased enrollment, said Louie Barozzi, chairman of the Academic Senate.

The Instruction and Research Committee is currently reviewing a

proposal that would require SJSU instructors to drop any student who doesn't show up on the first class day.

This would permit students petitioning to receive available seats on the first day of school, instead of being forced to wait a long period of time, Lanser said.

Lanser said that the problem is not solely the fault of students, but the fault of the registration process.

"Many students don't realize how badly in error the printed schedule of classes really is," he said.

Because the schedule of classes has to be ready for printing in February, Lanser said that it becomes impossible to record any changes that occur later in the semester, such

as added or canceled classes.

By using electronically type-set computer discs the schedule of classes could be printed overnight using local advertisers and sponsors to pay for the printing costs, he said.

"Why can't we give a break to local merchants who are our friends?" he said.

Lanser said that he would rather go back to the registration process used in the past at SJSU.

"We used to have a marvelous registration process in 1969," Lanser said. "Everything was done by hand. Students would from one long line on registration day and they would pay fees, select classes and be registered that same day," he said.

Football

From page 1

two home games, with the home opener against Eastern Illinois University drawing 18,237.

This means that attendance is down nearly 25 percent from the projected turnout.

"I'm a little bit concerned because it's important for us from a financial standpoint to draw well and make the buck," Gilbert said.

The lack of fan support hasn't seemed to have taken a noticeable toll on the players though, Gilbert said.

"I think (the players) feel somewhat disappointed as well," Gilbert said. "They work awfully

hard and feel good about themselves."

Spartan fans will get another opportunity to show their support Saturday when SJSU takes on New Mexico State University at 1:30 p.m. in the annual Homecoming game at Spartan Stadium.

Tickets are currently on sale through Friday in the Spartan Ticket Office, located in the Men's Gym at Fifth and San Carlos streets.

Student general admission tickets are \$5 each. Students can buy two with an SJSU student identification card.

Other ticket prices are \$6 for student reserved, \$10 for reserved seats between the goal line and the 30-yard line and \$12 for reserved seats between the 30-yard lines.

Heat

From page 1

had a systemwide "Brown-out," he said.

"But we have had to ask heavy (industrial) users to curtail activities," Leonard said.

On Sunday, the use was about 12.6 million, and that's not very high at all, he said.

At SJSU, total expenditures for energy run more than \$3 million dollars a year, San Juan said.

"When the new Engineering Building and the new Recreation Center and pool are added," she said, "we expect that to go up by about 30 percent."

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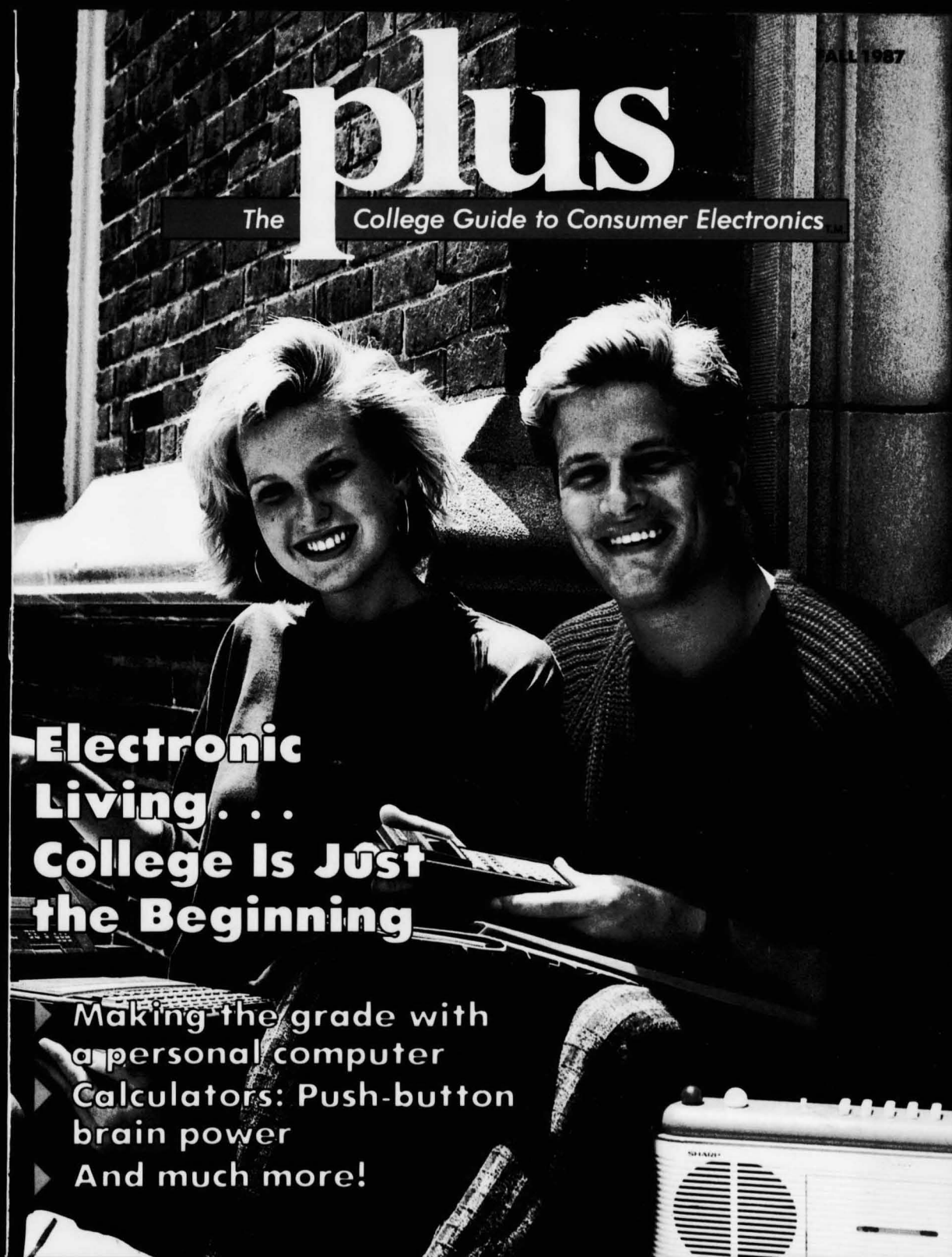
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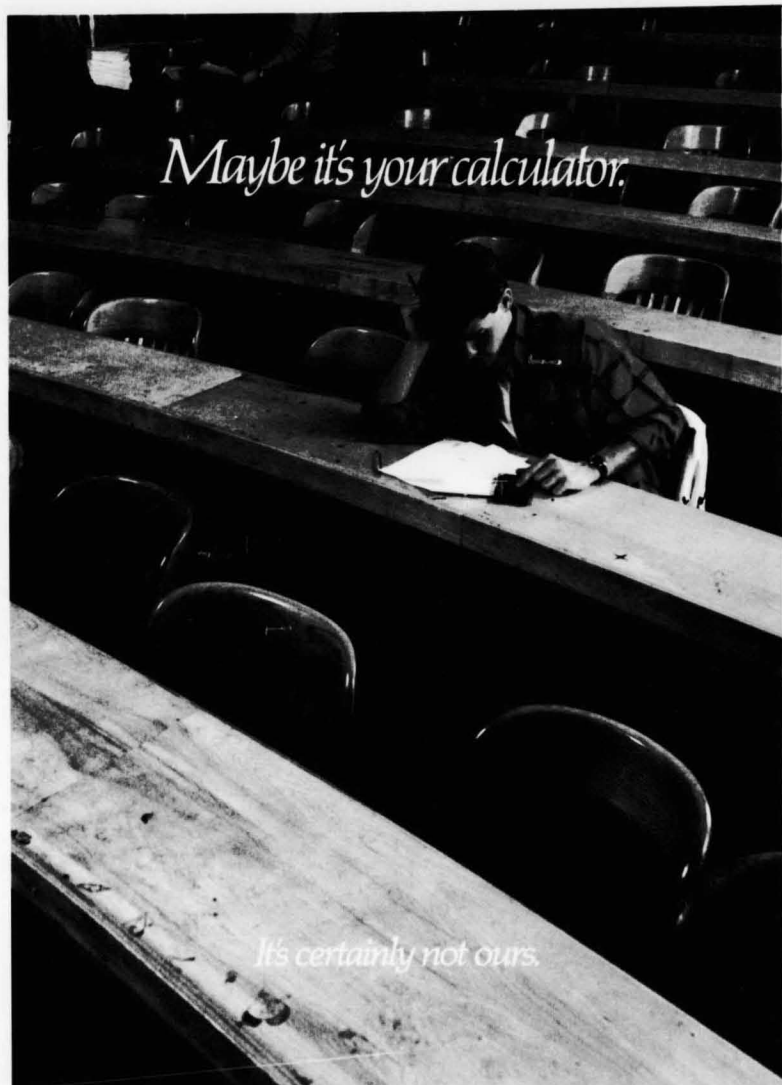
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FALL 1987

The College Guide to Consumer Electronics

**Electronic
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table of contents

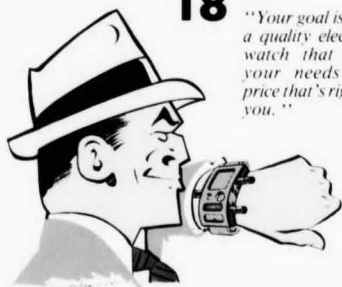
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COVER STORY

- Electronic Living . . . 6
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FEATURES

- Making the Grade with Computers 10
PCs give student standouts an edge.
- Come On In and Steal My Stuff 13
Why invite theft? Use common-sense security measures to protect your electronic equipment.

- Push-button Brain Power 15
Rely on hand-held calculators for a memory boost.

DEPARTMENTS

- Product Showcase 14
What's on the market
- Who Wants to Know? 18
A question-and-answer column

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editor's note

A Note from the Editor...

Welcome to *Plus*, the new magazine-style supplement distributed through your campus newspaper. You'll be seeing us throughout the school year as we bring you special one-theme issues. And we think you'll like what you see—topics of interest, lively articles, and eye-catching artwork.

This first issue of *Plus* is "The College Guide to Consumer Electronics." In it, we feature the world of electronics from the consumer's point of view: what you need to know about buying and using today's high-tech equipment.

Are you in the market for a computer, electronic typewriter, or advanced hand-held calculator to assist you in your studies? Maybe you've been thinking about enhancing your living space with a compact disc player, telephone answering machine, or other creature comforts. Regardless of what products you're after, you want those that meet your needs. In school or out,



at work or play, you're living in an electronic world... and college is just the beginning. That's where *Plus* can help.

With so many choices available, how do you decide what's right for you? Should you buy for the short term or the long haul? How do you pick equipment that can "advance" with you? *Plus* asks the questions and supplies the answers.

Look for future issues of *Plus* along with your campus newspaper. The feature topics will change, but our goal remains the same: to help you make smart buys.

Margaret Mucklo

plus

The College Guide to Consumer Electronics

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Experts on and off campuses say students who cozy up to consumer electronics feel more confident of their academic and social skills—and their chances in tomorrow's job market.

What's more, today's electronics boom is just the start of a lifetime revolution in the way we learn, work, and live. By 1997, you might be able to "try on" clothes at home—using a computerized holographic image...of yourself! "Commuting" to work may mean a walk into the den to a computer work sta-

tion electronically linked to company headquarters 50 miles up the freeway.

Will it all happen? Ten years ago, few consumers would have predicted cars that "talk" to drivers, or videotapes and VCRs, or telephones that "redial" at a touch. In electronics, yesterday's revolutionary discoveries are used routinely today. And even greater changes are expected for tomorrow. The future is shaping up *fast*—and it promises to be very exciting.

So, why not get a head start on the "user-friendly" years ahead? Learn to get the most from the consumer electronics you already have. And if you're in the market for more, look for equipment that can help you *now*—and introduce you to the future!

A... Is for Applications: Putting Electronics to Work

Do YOU have an electronics "graveyard"—a hiding place for yesterday's unwise buys? Most often electronic equipment that goes to the graveyard does so because (once the novelty wears off) buyers realize it *doesn't do anything they really need*.

What's a smart buy in electronics? Equipment with "applications" to your life, the capacity to provide services you need.

Consider the possible applications of these popular consumer electronic buys:

- **Personal computers:** PCs can make any kind of academic work easier—from researching English papers to number-crunching for calculus class. Students also use PCs to edit/revise papers...type class notes...produce résumés, club newsletters, ads for on-campus activities...access information from a data base...run a campus business...keep track of work schedules...balance the student council budget (or their own!).

- **Video equipment:** VCRs and camcorders can be fun and useful too. Some ideas: Plan a VCR film series, with your room as the mini-

**"
The ideal electronics
equipment will
fit your life."
"**

theater... Use "time shifting" to tape TV segments useful for a course or research project... Get a "fitness" tape and turn your room into a gym... Use a video "camcorder" to tape special events on campus, or to help you rehearse for a job interview, speech, class presentation, etc.

- **CDs:** Right now, compact discs are pure entertainment. But there's more to come: CDs that offer knowledge, not music. Already a \$295 "Bookshelf" CD is available; it contains digitized versions of 10 popular reference volumes, from *Roget's Thesaurus* to the *World Almanac*. By using it, PC writers can call up information without interrupting their word processing.

- **High-tech telephones:** Answering machines, call forwarding, and other features make it easier to run a campus business, a club, or a student government committee. Can't get your study group together in one place? In a pinch, a telephone system with conference-call capacity can solve the problem.

- **Tape recorders:** Taping class lectures is a tried-and-true study aid—but do you ever find yourself short of playback time? Some new tape recorders can play a lecture back at up to **twice** the normal speed, without voice distortion.

- **Audio equipment:** Personal headphone-style tape players/recorders are great for students burning the midnight oil—when listening to taped lectures or other "information" might keep your roommate awake or disturb the peace and quiet of the library. A wireless device that lets you (but nobody else) hear the sound of music, TV, or videotapes is also on the market.

- **Special-interest software:** The new wave of consumer electronics

gives artists, musicians, designers, video freaks, and other people with special interests something to smile about. Computerized electronic keyboards open up new possibilities for composers and performers... designers (of everything from dresses to skyscrapers) can use computer-aided design software to produce quicker, better drawings... video editing programs are terrific for budding film editors, broadcast journalists, etc.

The ideal equipment will *fit* your life—what you do, how you do it, what you plan for yourself. It will do things you need and maybe even offer some unexpected applications. And as you put the equipment to work for you, it can begin to *shape* your life—giving you new possibilities, changing old patterns.



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Tomorrow's Electronic Life

What's up the line for electronics consumers—on the job and at home? A look at the future:

The Workplace. Whether you plan to program computers, run a restaurant, manage a clothing store, open a travel agency, report the news, or design homes—the electronics of tomorrow will be there to help you.

Information will mean power (and jobs). Computerized data

bases will become even more accessible to researchers in all fields—from music scholars to bankers, newspaper reporters to legal clerks. The "next generation" of computers will be able to coach users through tricky programs, double-check a bookkeeper's math, or scan publications for articles related to your pet project.

The high-tech workstation of the future will start right under your nose—on your desk! The "electronic desk" will combine the func-

Buying the "Right Stuff"

It's been known to happen: You go out with a wad of cash and a burning desire for a meaningful relationship with high technology. You come back short on cash, long on frustration, and wondering just what you bought.

Can you keep it from happening to you? Buying the "right stuff" isn't that hard... if you play by the rules. Think of it this way: Buying electronic equipment is like buying a car (and sometimes just as expensive!); the more certain you are of what you want, the better your chances of making a satisfying purchase. Follow these four suggestions:

ONE: Buy machines that DO what you want. Sounds simple—but you'd be surprised how many people buy electronic hardware (the machinery) without knowing exactly what it can do. If you're tracking down a good PC, for instance, look at software first. Decide on the best programs for your needs—and buy a computer that will run them.

TWO: Insist on a "test drive" before you buy. Are you putting together a PC system: computer, monitor, printer, software? Hook it all up and watch it work. Does it do what you want? Whenever possible, test-run electronic equipment in the store and back in your living quarters before deciding if it's a "keeper." Before you make your purchase, however, find out how the store handles returned merchandise.

THREE: Don't change your mind in the store. Before you reach the point of purchase, do some market research. Read up on what's available and how it's rated by independent sources. Know the going prices and who's selling what for how much. Write yourself a note and take it with you when you shop: "Why am I buying this machine? What do I want it to do? How much can I afford to spend?" Then, don't change your mind—at least, not without sleeping on it!

FOUR: Know exactly what you're getting. Ask to see the product warranty. How long does it last? What does it cover? Find out the repair and maintenance procedures. Does the store do the work or will you have to send the product to the manufacturer? Find out if the cost includes any extras: lessons on how to use the equipment, a discount on related purchases, etc.

tions of a telephone, telephone dialer, calculator, typewriter, personal computer, appointments calendar, and address book. And this workstation might be in your home, if you're one of tomorrow's "tele-commuters."

But will you work for a big corporation? Electronics has something to say about that too! Business experts say computers are the power behind today's American Dream: owning your own business. For entrepreneurs, the computer is an inexpensive and willing employee—one that can keep mailing lists up-to-date, track inventory, and design advertisements.

At Home. Tomorrow's consumers may cruise *electronic* shopping malls rather than the real thing—buying goods and services with the touch of a button. Checks and bills could be passé, replaced by computerized banking from home and "smart cards" that won't let you

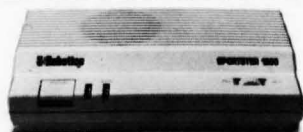


overspend. And home computers will offer software programs to help you stick to a budget, plan a vacation, even calculate the amount of stress in your life!

Electronic "cocoons" will provide much of your entertainment: movies, music, and telephone "viewscreen" visits with relatives or friends across the country. Even cars will be in the picture—an on-

board video screen and computer will plot a route and display it in map form, and calculate how long it will take you to reach your destination.

At home or at play, electronics is "the coming thing." And it's not too soon to plug into the action: the electronics you use today can wire you into the electronic life of your future!



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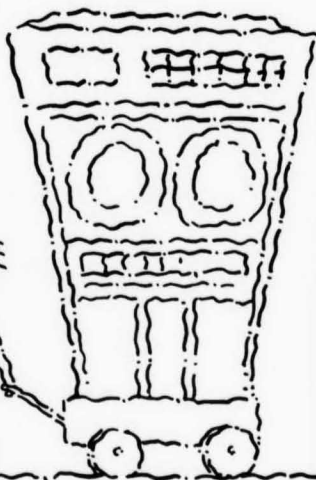
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Making the Grade with Computers

In grandpa's day, the well-equipped collegian went off to school with a raccoon coat and a fountain pen. In mom and dad's day, the college-bound arrived on campus with a portable radio, portable stereo, and portable (maybe even electric) typewriter. But today's college students, while still free to bring all of the above to campus, may need an additional item that didn't exist when their parents and grandparents went to school—a personal computer (PC).

"There's no question that my PC has improved the quality of my work enormously," says Alan Zib-

ble, a junior at Northern Illinois University in DeKalb. "For one thing, at least the professors can read what I write. My papers look neat, and don't kid yourself—neatness still counts."

"It's true," confirms Dr. David Appleyard, professor of mathematics and former dean of students at Carleton College in Northfield, Minnesota. "With a personal computer, our students can combine word processing with graphics, even if they only use it to organize their notes into a legible first draft, so they can add charts, graphs, and illustrations, according to the

capabilities of their software."

Recently, Clarkson University in Potsdam, New York, provided every incoming freshman with a personal computer from a major electronics firm. Says David Bray, Clarkson's dean of computing, "The quality of papers improved dramatically."

It's clear that both students and faculty have embraced the personal computer as a useful tool in the pursuit of advanced education. There are very few institutions of higher learning that do not provide their students with "computing accounts"—an amount of on-line

time—when they arrive. At Cornell University in Ithaca, New York, “free computing accounts...are distributed at registration to provide students with enough computing time to meet normal requirements,” say Cornell recruiters. “Computers are rapidly becoming integrated into academic life as an increasingly important part of instruction and research.” Some colleges charge a nominal fee for these accounts; others provide them as part of the total tuition package.

Chances are that your college will already have several hundred personal microcomputers set up at various workstations for you to use. Given that, are there still advantages to having your own PC?

“Don’t be silly,” laughs Rebecca Ralston, a student at Loyola University in Chicago. “Of course there are! With the kind of software around today, I can rely on my PC to correct my spelling, punctuation, and grammar before my term papers ever leave my room!”

Speaking of rooms, here are two additional persuasive arguments for having your own PC:

- You do not need to wait your turn on the (usually) limited number of machines your school makes available (schedules that can sometimes mean midnight-or-later treks from your room to campus workstations).

- You can tie into huge pools of information sources (data bases) that are widely scattered geographically without ever leaving the comfort and safety of your dorm. A PC enables you to search through library holdings, periodical lists, electronic “encyclopedias,” and even “bulletin boards,” a kind of electronic information clearinghouse, at any hour of the day or night. You also can subscribe to a variety of services that provide the freshest information in your field.

The Academic Computer Services department at De Paul University in Chicago keeps track of the frequency with which students use the university’s academic computer network. The newest figures in-

dicade that, in addition to using their PCs strictly as computers, more and more students are using them as terminals too, dialing up campus mainframes as easily as they use a telephone.

Says Dr. Keith Phillips, a professor in the Computing Research

Laboratory at New Mexico State University in Las Cruces, “The student with a PC of his or her own has a definite advantage when it comes to the competitive edge in achieving academic success. Frankly, I wouldn’t want to leave home without one.”

Some Suggestions from the Pros

Like some of the same considerations that lead a student to choose a college or university in the first place, intelligent, rational decisions must be made about that newest roommate, the PC. Is it “friendly”? Affordable? And above all, does it meet the user’s specific needs?

The last consideration is undoubtedly the most important. It is a waste of money to buy a powerful computer capable of running all sorts of programs and storing all sorts of memory a student neither needs nor wants, but the fact is that *overbuying* is the single most common mistake a first-time purchaser makes. Obviously, it makes good sense to find out which computer applications are going to be useful to your line of study. If your major is English or liberal arts, will basic word processing be enough? Will you need special systems for engineering, accounting, economics, or pre-med?

Scott Mize, a founder of Strawberry Software in Watertown, Massachusetts, thinks it’s wise to find out if your college has a preference for one computer model over another. If so, that will likely mean you’ll be able to pick up a PC made available to the school by the manufacturer at considerable savings. It’s also smart to check with your school’s campus computer center to find out exactly how much “support,” such as free or reduced-cost software, it is able to provide for your brand of PC. This is also the first place to look for other PC-related information, including free manuals and helpful suggestions on “peripherals,” should you want to add some specialized equipment to your PC after you’ve had it awhile.

Compatibility is another issue to consider. Before you go off to school, you’ll want to be certain that you have a program that will allow your PC to communicate with the large, central mainframe machines already in place on campus.

Once you’ve decided what kind of a PC you need, buy the best one you can afford, and make certain you understand exactly what kind of service and support is available. Many computer manufacturers maintain toll-free hot lines for users with questions or problems.

Do as much of your class work on your PC as you possibly can. Dropping in or moving paragraphs, editing, deleting, and making corrections soon will become second nature to you, and will save significant amounts of time, effort, and paper.

Coming to campus with a computer doesn’t necessarily mean you’ll go right to the head of your class. But your chances of making the grade are no doubt better with a PC than without one.

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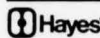
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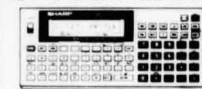
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You're proud of the state-of-the-art stereo system you brought to your college dorm. And the computer. And the VCR. But you're also worried that someone is going to make off with them when you're not around.

Why invite theft? Some simple precautions can foil would-be thieves and reduce your anxiety.

Common sense is the best security device, says Robert Stolle of the Northwestern University Public Safety Department in Evanston, Illinois. He offers these tips for dorm safety:

- When leaving a room, even for a few minutes to talk to a friend, lock the door.

- When leaving your room for the day, make sure all windows are closed and locked and valuable items are stowed out of sight.

- Report any locks, doors, or windows needing repair, or any lost keys to your resident hall adviser as soon as possible.

- Have someone check student IDs as people enter a party (to deter unwelcome outsiders).

Campus housing regulations may prohibit dorm dwellers from installing extra locks or bolting down electronic equipment. But you can improve dorm security without breaking rules.

Moderately priced cable security systems sold at computer stores can adequately protect your PC, stereo, and TV without damaging your room or furniture. One system secures equipment this way: a steel cable passes through special fasteners attached to existing screws to prevent removal; the cable is wound around a desk or table and locked.

For more high-tech protection, you may want to use a computerized alarm; it's activated by turning a key-switch, and the alarm sounds when your equipment is moved.

Off-campus apartment dwellers have other security options. Officer Michael Shep of the Evanston Police Department Crime Preven-

tion Unit suggests supplementing standard doorknob locks with:

- A dead-bolt lock. The best dead bolts have a 1-inch metal throw (the bolt's length when fully extended into the door frame). These locks are tough to pry off,

Come On In and Steal My Stuff

drill, pick, or open without a key.

- Double cylinder locks, if there is glass in the door.

These locks feature a removable key on the inside. They prevent a thief from breaking the glass to reach in and turn the knob. Remove the key from the lock when you're not home.

- Window locks. Locks for standard double-hung windows are notoriously easy to force open. Bolster them with key-operated window locks, available at hardware stores. Or, you can make your own simple window locks: drill holes at a downward angle through both sides of the inner window frame and about halfway through the outer frame; insert nails through the holes. This will make it impossible for would-be burglars to pry open the window.

What other precautions can you take?

Shep recommends that you engrave your driver's license number (with the state in parentheses beside it) in a visible place on your electronic equipment. Thieves tend to shy away from engraved goods because they know these items can

be easily identified as stolen, and traced by police.

Keep an updated inventory of your possessions. A detailed list of your belongings is useful in letting the insurance company and the police know what you owned and how to identify it. A good inventory contains:

- a written description of possessions, including special marks, serial numbers, model names, and special engraving

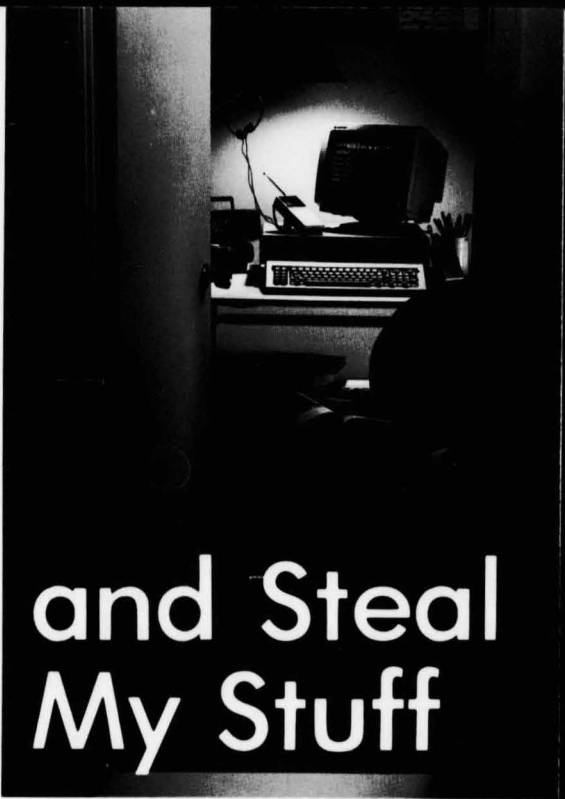
- the date the items were acquired and their original cost

- purchase receipts

- snapshots or videotapes of items

Bill Sirola of the Insurance Information Institute recommends that you keep two inventory copies: one in a safe place at your residence, and the other with your parents or other relatives.

Precautions help, but the best insurance against theft is still a safety-conscious attitude. So plan ahead, exercise your common sense, and enjoy your valuables a whole lot longer.



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Just the facts...

Most calculators share common features: a 10-key keyboard plus decimal point; an eight-digit capacity display with a floating decimal (the decimal point moves to the correct position in an answer) and automatic rounding off of numbers; and a

memory feature that allows for storage of subtotals.

Most calculators are battery-powered. Some models can be recharged; others require that the batteries be replaced periodically (usually yearly). Calculators display answers on a light-emitting diode

the solar cells and to illuminate the display screen (LCD). A popular feature is an automatic switch-off; the calculator turns itself off after about five minutes of inactivity.

Calculators offering only a display do not provide that often-essential hard copy, so you may

*"How do you determine the calculator that's right for you?
Begin by shopping around."*

(LED) screen or a liquid crystal display (LCD). Solar- or light-powered models do not use batteries, but require a light source to power

want to look into units with built-in printers. Another useful development is the talking calculator. "These are especially useful for the

sight-impaired," says Tom Mock, a staff engineer with the Electronic Industries Association (EIA) in Washington, D.C.

"Input is verified by voice simulation," explains Mock. For any calculator user, however, the voice verification of what is entered can improve accuracy.

There are three general classifications of hand-held calculators: four- to six-function, preprogrammed, and programmable. Your first step in choosing a calculator is to determine which of the three best suits your needs.

☐ Four- to six-function units.

They perform addition, subtraction, multiplication, division, and one or two other functions, such as percentages and square roots. They include keys for adding or subtracting to memory, memory recall, and memory clear.

For basic math, this is probably all the calculating power you will need. You'll find this type of unit useful in figuring taxes, balancing a checkbook, and keeping track of budgets.



☐ Preprogrammed units.

These units have been programmed to perform specific functions according to their primary application. Mock explains: "Statistical units are useful to students involved in a lot of number crunching. Business units are preprogrammed for real estate loan calculations or banking. And engineering units are designed for com-

puting angles, degrees, and other math-oriented functions."

In business applications, preprogrammed units are especially useful for figuring present and future value, monthly payments on annuities, bond yield, and loan amortization. The alternative is to use a complicated book of interest tables, in which case a calculator is still needed for multiplying table values. Units designed to calculate interest usually include a feature for counting the number of days between two

dates (also useful for figuring such things as the number of days until midterm exams, homecoming weekend, etc.).

☐ Programmable units.

While they offer many of the same features as the other types of units, they also offer a computerlike programming capacity that allows

you to tailor the calculator to your own applications.

For instance, let's say that you have a particular calculation that you'll need to repeat many times—such as separating loan payments into interest and principal or figuring sales tax on individual items. First you must break down the calculation into its steps, then enter the computational routine into the cal-

culator's memory (usually by depressing the "Learn" key). Once this is done, you can execute the sequence with one keystroke whenever you need to.

Some specialized calculators can be used to produce graphic displays. With automatic scaling routines, optimum screen usage is fully automated in these systems. Some versions of this type of calculator are programmable, so that you can create your own graphics. With plug-in devices, a hand-held calculator can give you graphic capability not available on many computer systems.

Shopping skills

The type of calculator you buy should be determined by your computational needs. With all the new models on the market, how do you determine the one that's right for you? Begin by shopping around. Find out what features are available and decide which ones you should have. Don't be sold on "extras" you'll never use. On the other hand, keep in mind that you don't want to "outgrow" your calculator right away.

Some questions to ask before you buy:

- Is the calculator for personal or academic use? If academic, how advanced is your coursework?
- Will you need statistical or high-math functions?
- How much can you afford to spend?
- Is programming a feature you'll need?
- Where will you use the calculator? (For outdoor use, says Mock, you'll want a liquid crystal display; in dim light conditions, you'll need LED display.)

The latest generation of calculators offers a wide range of choices. Whether your needs stop with math basics or have progressed to trig functions, computer conversions, loan amortizations, and more, there's a calculator that's just the right tool for you.

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On a Videowriter you only have to press the key marked "move" and then indicate the area you want it moved to. It's that simple.

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What happens when you're typing and you come to a word you can't spell?

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Q: How about some tips on buying and using a telephone answering machine?

A: There's a lot of competition in the answering-machine market, so you'll find machines at a variety of prices—depending on what features they include. In general, the more goodies offered on the machine, the more expensive it will be. Decide in advance what features are important to you. Consider:

- **Call screening:** You can listen to calls as they come in; once you determine who's calling, you can decide whether you want to answer while the caller is still on the line.
- **Remote turn-on:** You can activate your machine by phone in case you forgot to turn it on.
- **Flashing message counter:** tells you how many messages are waiting.
- **Beeperless remote:** You can retrieve messages or change your prerecorded greeting from any push-button phone—without having to use a pocket coder or beeper.
- **Automatic reset:** automatically resets the machine once a caller hangs up, so you don't have to

listen to long stretches of dial tone.

● **Toll-saver feature:** It delays answering when you call long-distance by remote; the delay warns you that you have no messages, saving you the toll.

A note about the type of message you leave on your machine: Make sure it's appropriate to the type of calls you're expecting. If, for instance, you're hoping to hear from a prospective employer, use a straightforward, professional-sounding message; save the heavy metal opening and the Pee-wee Herman impersonation for another time.

Q: What's the best way to shop for an electronic watch?

A: Shopping for an electronic watch isn't that much different from shopping for any other type of electronic equipment; your goal is to get a quality product that meets your needs at a price that's right for you.

Some guidelines to follow:

—Shop around to get an idea of features and prices.

—Narrow down your selection to several models.

—Consider product reviews/ratings, the reputation of the seller, and warranty terms.

—Run a six-point test on each model you're considering. 1) **Watch face:** Can you read it easily, even in dim light? Is the covering glass or plastic? (Plastic scratches more easily.) 2) **Casing:** Is the seal bolted or glued? (Stainless steel bolted in place is considered by many to be the best seal.) 3) **Band:** Is the band comfortable? Replaceable? 4) **Battery:** What kind is used? How much does it cost? How often does it need to be replaced? Is it a do-it-yourself job? 5) **Durability:** Is the watch water-resistant? Shock-resistant? 6) **Ease of operation:** Is the instruction manual easy to follow? Is programming easy to execute? Can you use the various functions with the watch on your wrist?



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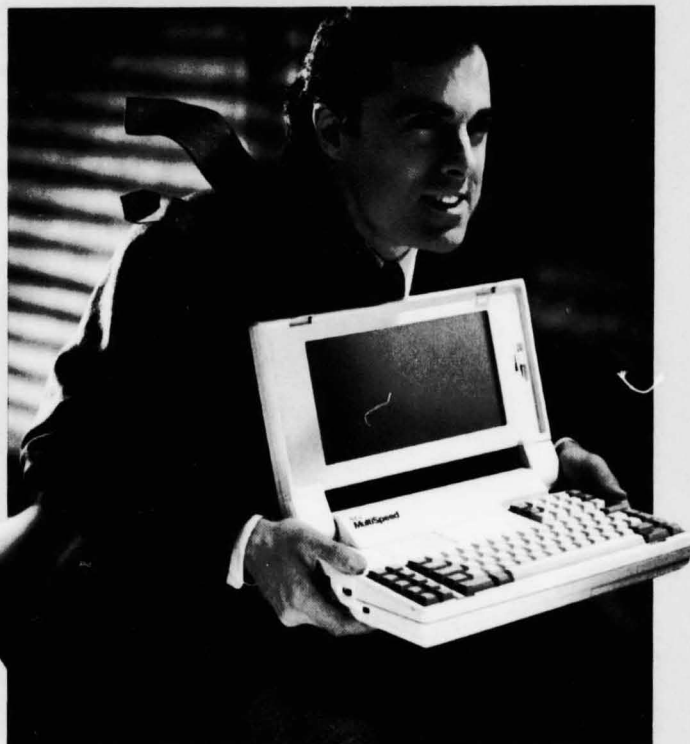
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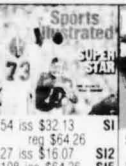
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